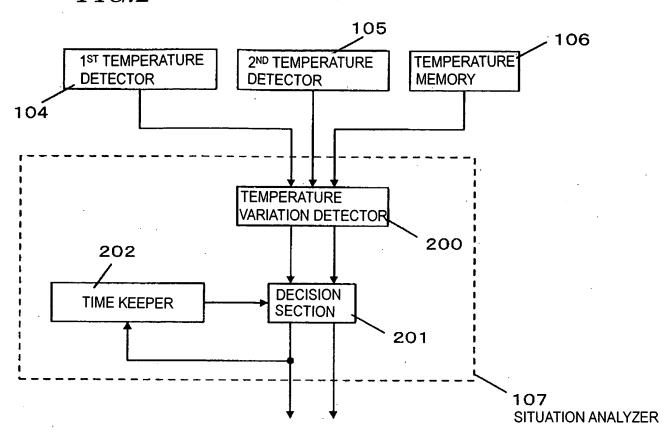
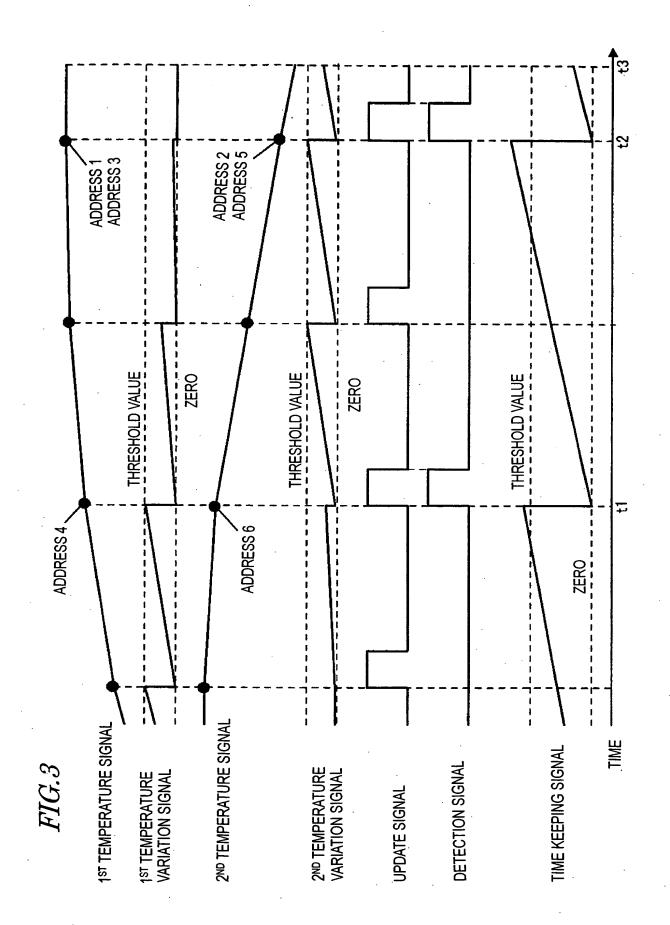
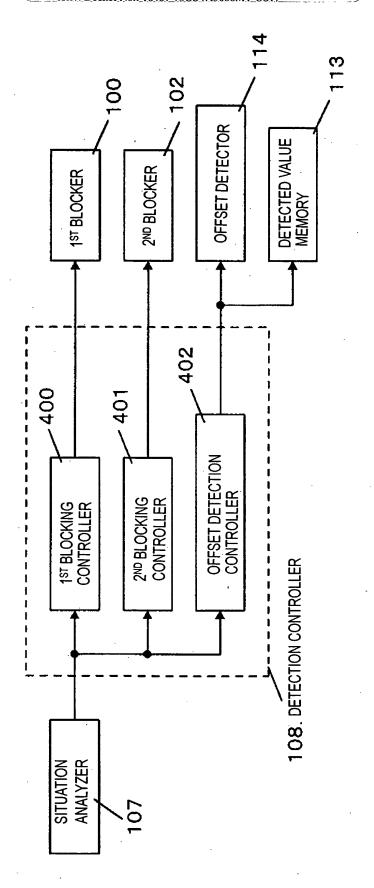
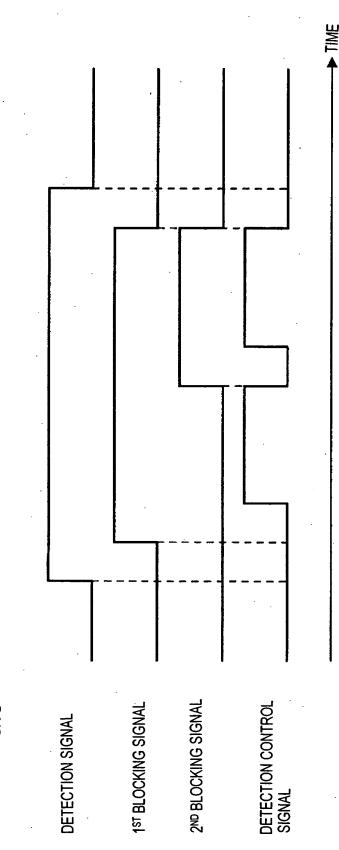


FIG.2









Title: Optical Disc Drive Inventor: Rie TAKAHASHI, et al. Express Mail No.: EV 312204741 US Customer No.: 570 Atty. Docket No.: 10407-73US (A3088MT-US1) T12 (TEMPERATURE MEMORY ADDRESS No. 1) T22 (TEMPERATURE MEMORY ADDRESS No. 2) TIME. 10 MEMORY ADDRESS No. 8) OS21 (DETECTED VALUE¹ T11 (TEMPERATURE MEMORY ADDRESS No. 3) T21 (TEMPERATURE MEMORY ADDRESS No. 5) Os11 (DETECTED VALUE MEMORY ADDRESS No. 7 4 t T10 (TEMPERATURE MEMORY ADDRESS No. 4) T20 (TEMPERATURE MEMORY ADDRESS No. 6) Os20 (DETECTED VALUE MEMORY ADDRESS NO. 10) Os10 (DETECTED VALUE MEMORY ADDRESS No. 9) 42 ᆍ OVERALL ELECTRICAL OFFSET VALUE 2ND TEMPERATÜRE SIGNAL VALUE 1ST TEMPERATURE SIGNAL VALUE IN TE SIGNAL GENERATOR AND **ELECTRICAL OFFSET VALUE DETECTION SIGNAL** LOW PASS FILTER **UPDATE SIGNAL** IN AMPLIFIER

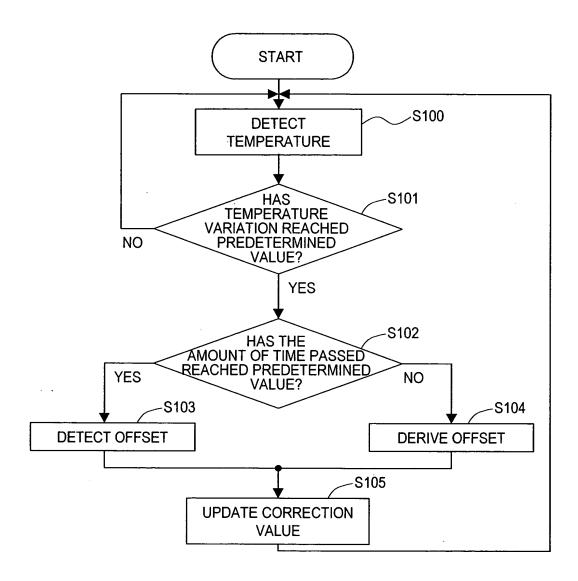
Title: Optical Disc Drive

Inventor: Rie TAKAHASHI, et al.

Express Mail No.: EV 312204741 US Customer No.: 570

Atty. Docket No.: 10407-73US (A3088MT-US1)

FIG.7



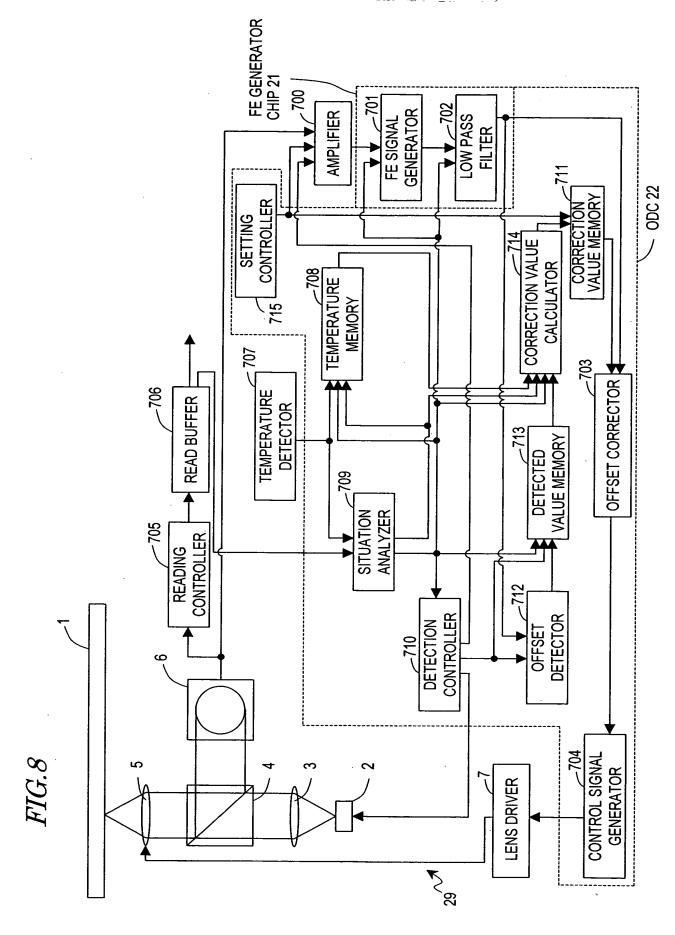
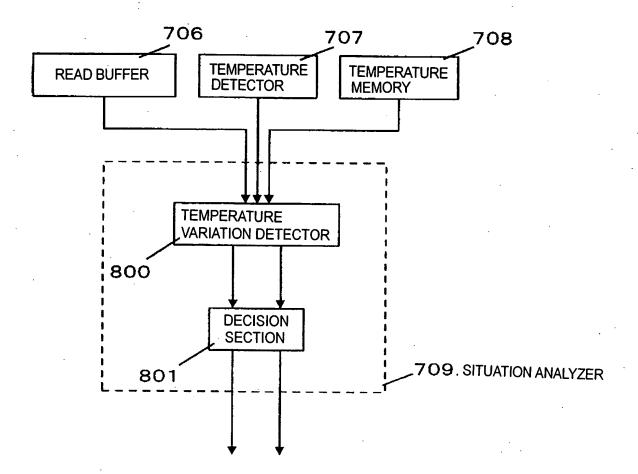
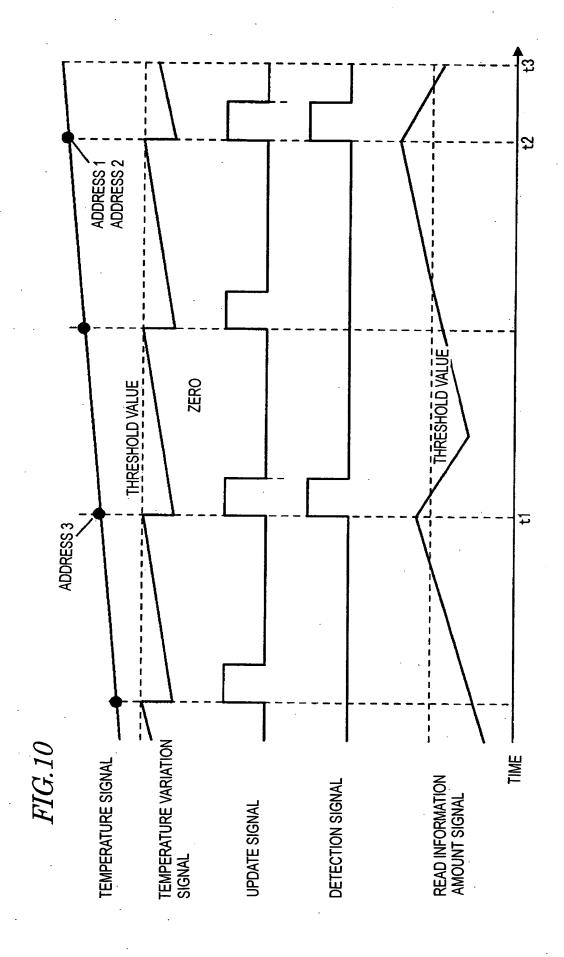
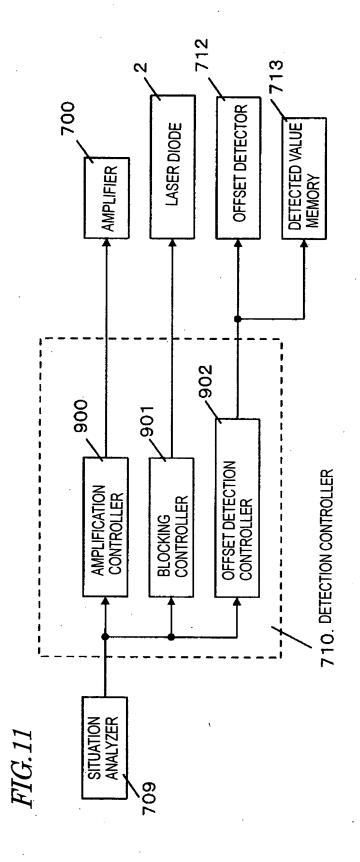


FIG.9







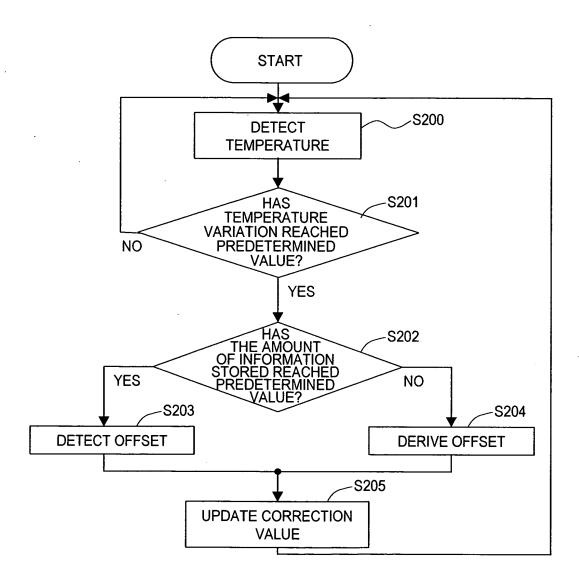
Title: Optical Disc Drive
Inventor: Rie TAKAHASHI, et al.
Express Mail No.: EV 312204741 US Customer No.: 570
Atty. Docket No.: 10407-73US (A3088MT-US1) DETECTION CONTROL SIGNAL AMPLIFICATION CONTROL SIGNAL

DETECTION SIGNAL

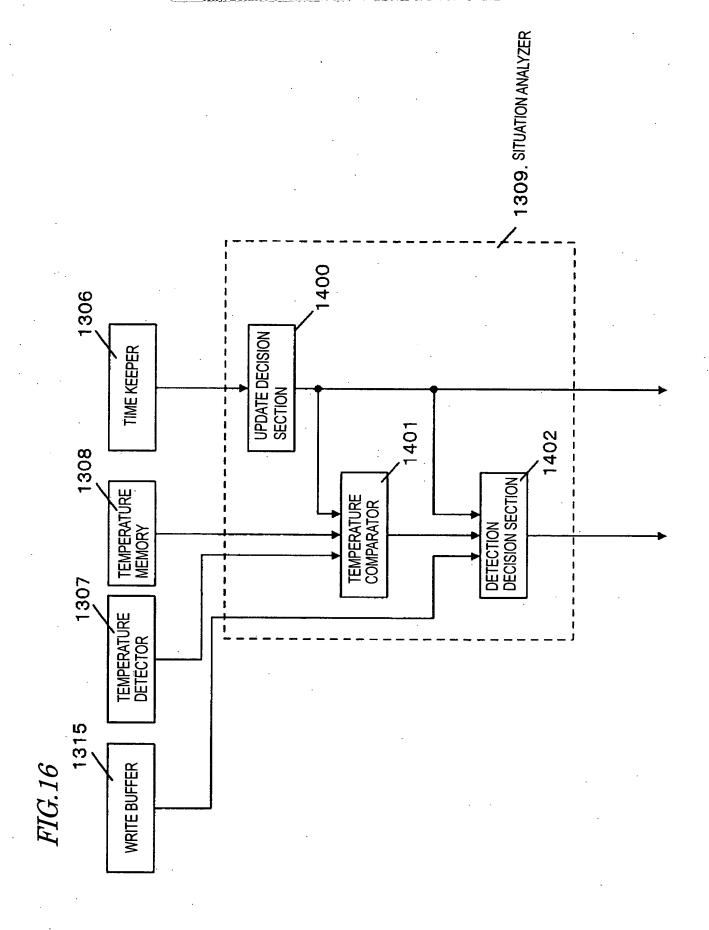
BLOCKING SIGNAL

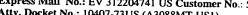
Title: Optical Disc Drive Inventor: Rie TAKAHASHI, et al. Express Mail No.: EV 312204741 US Customer No.: 570 Attv. Docket No.: 10407-73US (A3088MT-US1) T2 (TEMPERATURE MEMORY ADDRESS NO. 1) ĭ₩ **1**9 4 Os11 (DETÈCTED VALUE MEMORY ADDRESS No. 7) Os21 (DETECTED VALUE MEMORY ADDRESS No. 8) T1 (TEMPERATURÈ MEMORY ADDRESS No. 2) 4 \mathfrak{P} TO (TEMPERATURE MEMORY ADDRESS No.3) OS10 (DETECTED VALUE MEMORY ADDRESS No. 9) MEMÒRY ADDRESS No. 10) Os20 (DETECTED VALUE ELECTRICAL OFFSET VALUE AT AMPLIFICATION FACTOR FOR READING -ELECTRICAL OFFSET VALUE AT AMPLIFICATION FACTOR FOR WRITING **TEMPERATURE SIGNAL VALUE DETECTION SIGNAL UPDATE SIGNAL**

FIG.14



Title: Optical Disc Drive Inventor: Rie TAKAHASHI, et al. Express Mail No.: EV 312204741 US Customer No.: 570 Atty. Docket No.: 10407-73US (A3088MT-US1) TE GENERATOR CHIP 31 133 -1302 GENERATOR AMPLIFIER LOW PASS **TE SIGNAL** OFFSET CORRECTOR FILTER / ODC 32 **CORRECTION VALUE** CALCULATOR TEMPERATURE TEMPERATURE MEMORY DETECTOR -1315 **WRITE BUFFER** 309 -1312 VALUE MEMORY TIME KEEPER SITUATION ANALYZER DETECTED -1314 CONTROLLER WRITING -1311 CONTROLLER DETECTION DETECTOR OFFSET 9 CONTROL SIGNAL GENERATOR FIG.15 S 1305 LASER DRIVER LENS DRIVER **₹**





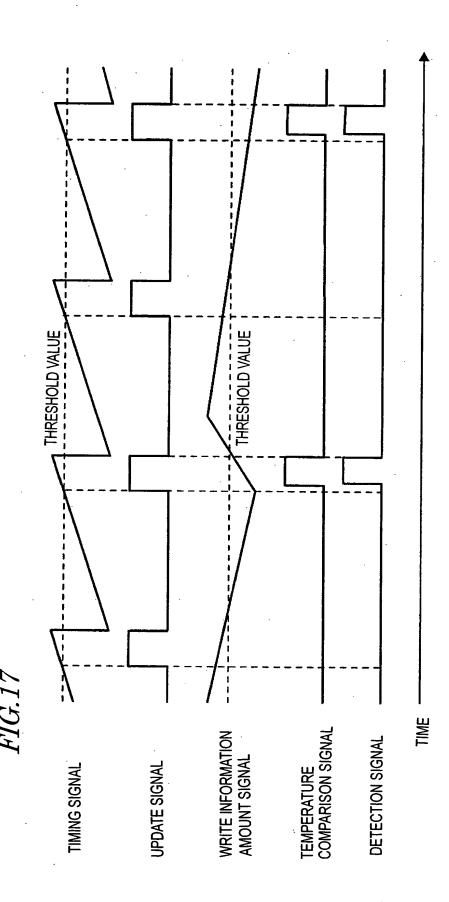


FIG.18

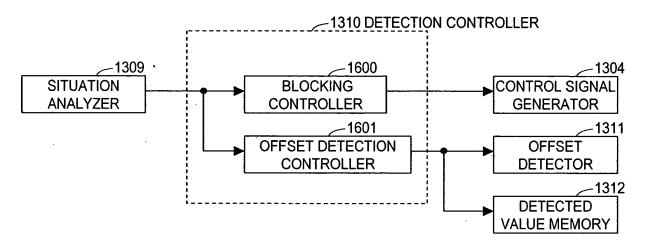
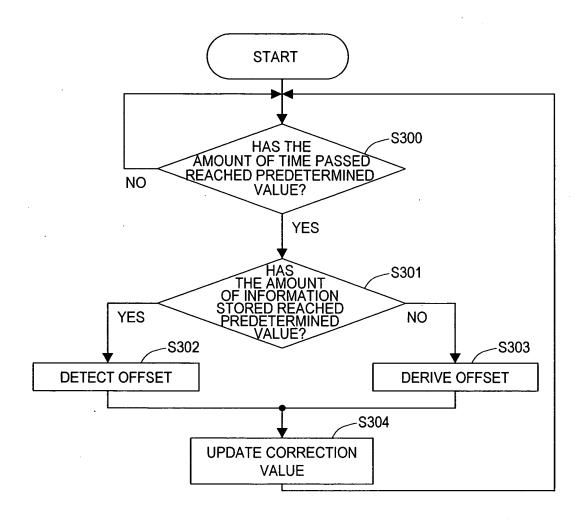
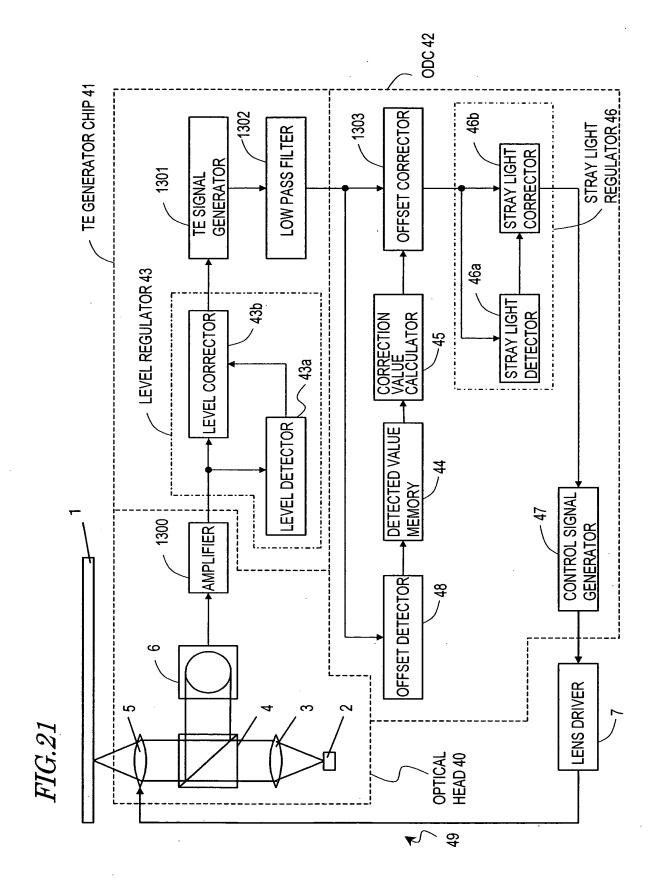
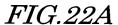


FIG.20







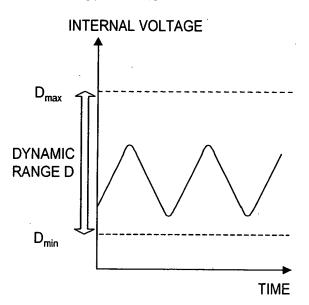


FIG.22B

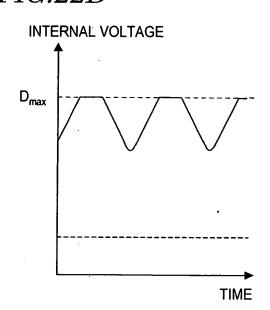


FIG.22C

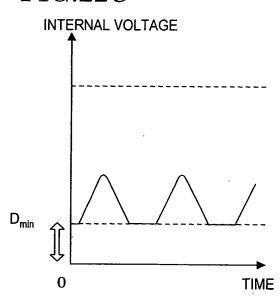


FIG.22D

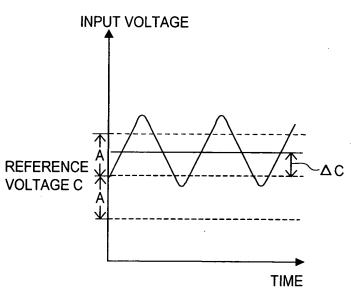


FIG.23

